

## **CURRICULUM VITAE**

**NAME:** Charles William Oliver

**ORGANIZATION:** National Oceanic & Atmospheric Administration  
NOAA Fisheries  
Southwest Fisheries Science Center  
P. O. Box 271  
La Jolla, California  
(858) 546-7000

**PRESENT POSITION:** Computer Specialist

**DISCIPLINES:**

Computer science  
Resource management  
Advanced sensing technologies  
Marine mammal and fish population dynamics

**EDUCATION:**

Oceanside High School, 1966  
A.S. Science, Mira Costa Community College, 1968  
B.S. Biology: Genetics and Cell Physiology, San Diego  
State University, 1972  
Certificate, Computer Systems Management, University  
of California, San Diego, 1976  
Certificate, Automated Information Systems, University  
of California, San Diego, 1976

**EXPERIENCE:** U.S. Department of Commerce  
NOAA Fisheries  
Southwest Fisheries Science Center  
La Jolla, California 92038-0271

1999-2001	Computer Specialist (Fisheries Resources Division)
1993-1999	Computer Specialist (Dolphin-Safe Research Program, MMD)
1988-1993	Computer Programmer Analyst (Fishery Independent Data Program, MMD)
1981-1988	Fishery Biologist (Coastal Marine Mammal Program, MMD)
1980-1981	Computer Specialist (Senior Scientist Program, MMD)
1977-1980	Supervisory Computer Specialist (Data Manager, Marine Mammal Division)
1976-1977	Computer Specialist (Data Manager, Marine Mammal Division)
1975-1976	Biological Technician Fisheries (Tuna/Dolphin Program)
1974-1975	Computer Technician (Tuna/Dolphin Program)
1973-1974	Mathematics Technician (Tuna/Dolphin Program)

1971-1973 Biological Aid Fisheries (Tuna/Dolphin Program)

## **RESEARCH INTERESTS:**

Computer science, system design and management  
Internet and information management, web applications and design  
Aerial, ship, and land field surveys  
Fishing gear modifications and innovations  
Remote sensing techniques and applications  
Marine mammal population dynamics

## **HONORS AND AWARDS:**

Outstanding Work Performance, 1974, 1975, 1977, 1980, 1981, 1982, 1988,  
1993, 1995, 1997, 1998, 1999  
Special Achievement Award, 1974, 1975, 1992, 1994, 1999  
Sustained Superior Performance Award, 1983, 1985, 1986, 1996

## **FORMAL TRAINING RECEIVED FROM THE FEDERAL GOVERNMENT:**

Active Server Pages Development, Sept-Nov 2001, 3 units UCSD Extension  
COTR Refresher Training, October 2001  
Visual Basic, May-June 2001: 15 hours  
JavaScript, May 2001: 15 hours  
Dreamweaver, February-March 2001: 20 hours  
Adobe Premiere 5.1, January-February 2001: 20 hours  
Underwater Remotely Operated Vehicle certification, Deep Ocean Engineering  
Java Programming, September 29-November 3, 1999: 24 hours  
Marine Bioacoustics, Acoustical Society of America, 1999  
FrontPage 98, April 7, 1999: 8 hours  
COTR Refresher Training, October 1998  
ARC/INFO Geographic Information Systems, December 1996  
Diversity/EEO Training, March 1996  
Marine Bioacoustics, Acoustical Society of America, 1995  
Basics of Lasers and Optics, Rockwell Laser Industries, 1995  
Diversity Awareness, 1995  
Contracting Officer's Technical Representative, 1994, 1995  
EEO Spring Conference and Workshop, 1993  
Conversational Spanish, 1991-1992  
Prevention of Sexual Harassment 1991  
Biometry (UCSD), 1989  
How to Supervise People, 1985  
Advanced DBASE II, 1984  
Introduction to dBASE, 1983  
Introduction to BMDP, 1980  
Computer Controls and Audit, 1978

Interpersonal Communications for Managers, 1978  
 Supervision and Group Performance, 1978  
 Conversational Spanish, 1977-1978  
 The Supervisor and EEO, 1977  
 Computer Science Review, 1977  
 Comprehensive General Programming System, 1976  
 Certificates: Automated Information Systems  
     Computer Systems Management  
         University of California Extension (324 hrs), 1974-1976  
 Systems Analysis and Design Techniques (Phase II), 1976  
 Introduction to Supervision, 1976  
 Systems Analysis and Design Techniques (Phase I), 1975  
 Data Management Language, 1974

## PROFESSIONAL AFFILIATIONS:

Society for Marine Mammalogy

## PUBLICATIONS

- Nachtigall, P.E., W.W.L. Au, J.L. Pawloski, K. Andrews and C.W. Oliver. 2000. Measurements of the low frequency components of active and passive sounds produced by dolphins. *Aquatic Mammals* 26(3): 167-174.
- Schaefer, K. M. and C. W. Oliver. 2000. Shape, volume, and resonance frequency of the swimbladder of yellowfin tuna (*Thunnus albacares*). *Fish. Bull.* 98(2): 364-374.
- Finneran, J.J., C.W. Oliver, K.M. Schaefer, and S.H. Ridgway. 2000. Source levels and estimated yellowfin tuna (*Thunnus albacares*) detection ranges for dolphin jaw pops, breaches, and tail slaps. *J. Acoust. Soc. Am.* 107(1): 649-656.
- Zorn, H.M., J.H. Churnside, and C.W. Oliver. 2000. Laser safety thresholds for cetaceans and pinnipeds. *Mar. Mamm. Sci.*, 16(1): 186-202.
- Nachtigall, P.E., W.L. Au, J.L. Pawloski, K. Andrews, and C.W. Oliver. 2000. Measurements of the low frequency components of active and passive sounds produced by dolphins. Southwest Fisheries Science Center Admin. Rpt. LJ-00-07C. 20p.
- Finneran, J.J., C.W. Oliver, K.M. Schaefer, and S.H. Ridgway. 1999. Yellowfin tuna (*Thunnus albacares*) detection of low frequency sounds produced by bottlenose dolphins (*Tursiops truncatus*). Southwest Fisheries Science Center Admin. Rep. LJ-99-06C, La Jolla, CA. 34p.
- Zorn, H.M., J.H. Churnside, and C.W. Oliver. 1998. Laser safety thresholds for cetaceans and pinnipeds. Southwest Fisheries Science Center Admin. Rep. LJ-98-10C, La Jolla, CA. 21p.
- Schaefer, K. M. and C. W. Oliver. 1998. Shape, volume, and resonance frequency of the

swimbladder of yellowfin tuna (*Thunnus albacares*). Southwest Fisheries Science Center Admin. Rep. LJ-98-09C, La Jolla, CA. 27p.

Churnside, J.H., J.J. Wilson, and C.W. Oliver. 1998. Evaluation of the capability of the experimental oceanographic fisheries lidar (FLOE) for tuna detection in the eastern tropical Pacific. NOAA Tech. Memo. ERL ETL-287. Environmental Technology Laboratory, Boulder, CO. 74p.

Oliver, C.W., and E.F. Edwards. 1996. Dolphin-safe research program progress report II (1992-1996). Southwest Fisheries Science Center Administrative Rep. LJ-96-13, La Jolla, CA. 91p.

Armstrong, W.A., and C.W. Oliver. 1996. Recent use of fish aggregating devices in the eastern tropical Pacific tuna purse-seine fishery: 1990-1994 (Revised March 1996). Southwest Fisheries Science Center Administrative Rep. LJ-96-02, La Jolla, CA. 47p.

Armstrong, W.A., and C.W. Oliver. 1995. Recent use of fish aggregating devices in the eastern tropical Pacific tuna purse-seine fishery: 1990-1994. Southwest Fisheries Science Center Administrative Rep. LJ-95-14, La Jolla, CA. 47p.

Edwards, E.F., C.W. Oliver, and J.W. Sisson. 1995. Second dolphin-safe research planning workshop: March 14-17, 1994, report and recommendations. Southwest Fisheries Science Center Administrative Rep. LJ-95-05, La Jolla, CA.

Oliver, C.W. 1994. Description of the "LIDAR.C version 1.20" software incorporated into an airborne LIDAR system to detect tunas in the eastern tropical Pacific purse-seine fishery. Southwest Fisheries Science Center Administrative Rep. LJ-94-21, La Jolla, CA. 113p.

Oliver, C.W. 1994. Description of the "LIDAR.C version 1.40" software incorporated into an airborne LIDAR system to detect tunas in the eastern tropical Pacific purse-seine fishery. Southwest Fisheries Science Center Administrative Rep. LJ-94-16, La Jolla, CA. 106p.

Oliver, C.W., W.A. Armstrong, and J.A. Young. 1994. Development of an airborne LIDAR system to detect tunas in the eastern tropical Pacific purse-seine fishery. NOAA-TM-NMFS-SWFSC-204. La Jolla, CA. 67p.

Barlow, J., P. Boveng, M.S. Lowry, B.S. Stewart, B.J. Le Boeuf, W.J. Sydeman, R.J. Jameson, S.G. Allen, and C.W. Oliver. 1993. Status of the northern elephant seal population along the U.S. West Coast in 1992. Southwest Fisheries Science Center Admin. Rep. LJ-93-01, La Jolla, CA. 32 p.

Lowry, M.S., P. Boveng, R.J. Delong, C.W. Oliver, B.S. Stewart, H. DeAnda, and J. Barlow. 1992. Status of the California sea lion (*Zalophus californianus californianus*) population in 1992. Southwest Fisheries Science Center Admin. Rep. LJ-92-32, La Jolla, CA. 34 p.

Oliver, C.W. 1991. 1988-1991 field studies on pinnipeds at San Clemente Island. Southwest Fisheries Science Center Admin. Rep. LJ-91-27, La Jolla, CA. 33 p.

- Oliver, C.W. 1991. 1986-1987 field studies on pinnipeds at San Clemente Island. Southwest Fisheries Science Center Admin. Rep. LJ-91-25, La Jolla, CA. 29 p.
- Oliver, C.W. and J.B. Wexler. 1991. 1985 field studies on pinnipeds at San Clemente Island. Southwest Fisheries Science Center Admin. Rep. LJ-91-24, La Jolla, CA. 31 p.
- Oliver, C.W. 1991. Trip report for a marine mammal aerial survey over the southern California bight (April 13-15, 1982). Southwest Fisheries Science Center Admin. Rep. LJ-91-23, La Jolla, CA. 37 p.
- Coe, J.M. and C.W. Oliver. 1991. An assessment of a federal regulation to curtail "sundown" sets involving marine mammals by the U.S. tuna purse-seine fleet. Southwest Fisheries Science Center Admin. Rep. LJ-91-20, La Jolla, CA. 42 p.
- Oliver, C.W. and R.L. Butler. 1991. Documentation of the 1980 data verification programs and common subroutines for fixed- format data: Porpoise Data Management System. NOAA-TM-NMFS- SWFSC-157, La Jolla, CA. 69 p.
- Oliver, C.W. 1991. Documentation of the 1959-1988 editing criteria for porpoise life-history data: Porpoise Data Management System. Southwest Fisheries Science Center Admin. Rep. LJ-91-07, La Jolla, CA. 86 p.
- Oliver, C.W. 1991. 1979-1980 Tuna/porpoise data editing criteria for range, blankness, and logical error statements: Porpoise Data Management System. Southwest Fisheries Science Center Admin. Rep. LJ-91-06, La Jolla, CA. 192 p.
- Oliver, C.W. 1991. Documentation of the 1975-1984 marine mammal bridge log record Data: Porpoise Data Management System. Southwest Fisheries Science Center Admin. Rep. LJ-91-04, La, Jolla, CA. 95 p.
- Delong, R.L., G.A. Antonelis, C.W. Oliver, B.S. Stewart, M.S. Lowry, and P.K. Yochem. 1991. Effects of the 1982-83 El Nino on several population parameters and diet of California sea lions on the California Channel Islands. *In: Pinnipeds and El Nino*, F. Trillmich and K.A. Ono, editors. Springer- Verlag, Berlin. 344p.
- Oliver, C.W. and E.F. Edwards. 1990. Effects of including in mortality estimates, dolphins categorized as either injured or of undetermined status. NOAA-TM-NMFS-SWFSC-138. La Jolla, CA. 51 p.
- Myrick, A.C. Jr., J. Taylor, C.W. Oliver, E.R. Cassano, L.L. Robertson, and A.P. Majors. 1990. Results of underwater tests of double-base smokeless-powder pipebombs on targets to determine physical hazards to swimming dolphins. Southwest Fisheries Science Center Administrative Rep. LJ-90-26, La Jolla, CA. 16 p.
- Lowry, M.S., C.W. Oliver, C. Macky, and J.B. Wexler. 1990. Food habits of California sea lions, *Zalophus californianus*, at San Clemente Island, California, 1981-1986. *Fish. Bull.*, U.S.

88:509-521.

- Myrick, A.C., E.R. Cassano, and C.W. Oliver. 1990. Potential for physical injury, other than hearing damage, to dolphins from seal bombs in the yellowfin tuna purse-seine fishery: results from open-water tests. Southwest Fisheries Science Center Administrative Rep. LJ-90-07, La Jolla, CA. 28 p.
- Thayer, V.G., S.B. Reilly, P.C. Fiedler, C.W. Oliver, and D.W. Behringer. 1988. Report on ecosystem studies conducted during the 1987 eastern tropical Pacific dolphin survey on the research vessel McArthur. U.S. Dep. Commer., NOAA-TM-NMFS-SWFSC-114, La Jolla, CA. 114 p.
- Thayer, V.G., B.G. McDonald, J.M. Ellingson, C.W. Oliver, D.W. Behringer, and S.B. Reilly. 1988. Report of ecosystems conducted during the 1986 eastern tropical Pacific dolphin survey on the research vessel McArthur. U.S. Dep. Commer., NOAA-TM-NMFS-SWFC-104, La Jolla, CA. 112 p.
- Wexler, J.B., and C.W. Oliver. 1988. Pinniped research conducted at San Clemente Island during 1984. Southwest Fisheries Science Center Administrative Rep. LJ-88-16, La Jolla, CA. 53 p.
- Oliver, C.W., M.S. Lowry, and L.M. Ferm. 1988. Pinniped studies conducted at San Clemente Island, California during 1983. Southwest Fisheries Science Center Administrative Rep. LJ-88-08, La Jolla, CA. 47 p.
- Barlow, J., C.W. Oliver, T.D. Jackson, and B.L. Taylor. 1988. Harbor porpoise, *Phocoena phocoena*, abundance estimation for California, Oregon, and Washington: II. Aerial surveys. *Fish. Bull.*, U.S. 86:433-444.
- Oliver, C.W. and M.S. Lowry. 1987. Pinniped studies conducted between August 1981 and December 1982 at San Clemente Island, California. Southwest Fisheries Science Center Administrative Rep. LJ-87-23, La Jolla, CA. 47 p.
- Oliver, C.W. and T.D. Jackson. 1987. Occurrence and distribution of marine mammals at sea from aerial surveys conducted along the U.S. West Coast between December 15, 1980 and December 17, 1985. Southwest Fisheries Science Center Administrative Rep. LJ-87-19, La Jolla, CA. 189 p.
- Lowry, M.S., C.W. Oliver, and J.B. Wexler. 1986. The food habits of California sea lions at San Clemente Island, California; April 1983 through September 1985. Southwest Fisheries Science Center Administrative Rep. LJ-86-33, La Jolla, CA. 30 p.
- Oliver, C.W. 1986. Trip report: 1985 harbor porpoise aerial surveys, September 9 to October 15, 1985. Southwest Fisheries Science Center Administrative Rep. LJ-86-21, La Jolla, CA. 29 p.
- Lowry, M.S. and C.W. Oliver. 1986. The food habits of the California sea lion, *Zalophus californianus*, at San Clemente Island, California, September 1981 through March 1983. Southwest Fisheries Science Center Administrative Rep. LJ-86-07, La Jolla, CA. 26 p.

- Wahlen, B.E., G.J. Walker, R.B. Miller, and C.W. Oliver. 1986. Composition of the incidental kill of small cetaceans in the U.S. purse-seine fishery for tuna in the eastern tropical Pacific, 1982 through 1984. *Rep. Int. Whal. Commn.* 36:369- 374.
- Oliver, C.W., G.J. Walker, and R.B. Miller. 1984. Time/area distribution and composition of the kill of small cetaceans in the U.S. purse-seine fishery for tuna in the eastern tropical Pacific during 1982 and 1983. Southwest Fisheries Science Center Administrative Rep. LJ-84-17, La Jolla, CA. 31 p.
- Oliver, C.W. 1983. Documentation of aerial survey sighting and transect forms for the 1977 and 1979 eastern tropical Pacific cetacean surveys. Southwest Fisheries Science Center Administrative Rep. LJ-83- 20, La Jolla, CA. 35 p.
- Oliver, C.W., R.B. Miller, and J.G. Walker. 1983. Time/area distribution and composition of the incidental kill of dolphins and small whales in the U.S. purse-seine fishery for tuna in the eastern tropical Pacific during 1981. *Rep. Int. Whal. Commn.* 33:603-615.
- Perrin, W.F. and C.W. Oliver. 1982. Time/area distribution and composition of the incidental kill of dolphins and small whales in the U.S. purse-seine fishery for tuna in the eastern tropical Pacific, 1979-1980. *Rep. Int. Whal. Commn.* 32:429-444.